In the Claims:

Please amend the claims as follows:

1. (Currently Amended) A method for encoding video signals, comprising the steps of:

(a) receiving a progressive video bitstream comprising reference frames and non-reference frames, each having an initial temporal reference in accordance with an initial frame sequence structure;

(b) remapping the temporal references of the reference frames ~~by~~ while ignoring the non-reference frames; ~~and~~

(c) packetizing the reference frames with a base packet-identifier (PID) and the non-reference frames with an enhancement PID, to provide base and enhancement transport bitstreams, respectively;

extracting and decoding, with an MP@ML decoder, packets having the base PID, to provide at least one of a base bitstream and an MP@ML decoded video bistream suitable for display on standard-definition television ("SDTV") systems;

where a base bitstream exists, extracting and decoding, with an MP@ML decoder, packets having the enhancement PID, to provide an enhancement bitstream; and

where base and enhancement bitstreams exist, combining said base and enhancement bitstreams to provide an MP@HL decoded video bitstream suitable for display on high-definition television ("HDTV") systems.

2. (Currently Amended) The method of claim 1 wherein ~~, further comprising the step of extracting and decoding, with an MP@ML decoder,~~ only packets having

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the base PID~~,~~ <u>are extracted and decoded</u> to provide an MP@ML decoded video bistream.

3. (Currently Amended) The method of claim 1~~, further comprising the step of extracting and decoding, with an MP@ML decoder,~~ <u>wherein</u> packets having ~~both~~ the base PID and <u>packets having</u> the enhancement PID~~,~~ <u>are extracted and decoded</u> to provide the base and enhancement bitstreams, <u>respectively,</u> ~~and~~ <u>which are</u> <u>combined</u> ~~combining said bitstreams~~ to provide an MP@HL decoded video bitstream.

4. (Original) The method of claim 1, wherein said reference frames comprise I and P frames and said non-reference frames comprise B frames.

5. (Currently Amended) ~~The method of claim 1, wherein step (b) comprises the step of~~ <u>A method for encoding video signals, comprising the steps of:</u>
<u>receiving a progressive video bitstream comprising reference frames and non-reference frames, each having an initial temporal reference in accordance with an initial frame sequence structure;</u>
<u>remapping the temporal references of the reference frames so that the reference frames are <u>all</u> consecutively numbered <u>while ignoring the non-reference frames; and</u></u>
<u>packetizing the reference frames with a base packet-identifier (PID) and the non-reference frames with an enhancement PID, to provide base and enhancement transport bitstreams, respectively.</u>

6. (Original) The method of claim 1, wherein each PID is a service channel identifier (SCID).

7. (Currently Amended) An apparatus for encoding video signals, comprising:

(a) a remapper for receiving a progressive video bitstream comprising reference frames and non-reference frames, each having an initial temporal reference in accordance with an initial frame sequence structure, and for remapping the temporal references of ~~the only~~ the reference frames ~~by~~ while ignoring the non-reference frames; ~~and~~

(b) a transport packetizer for packetizing the reference frames with a base packet-identifier (PID) and the non-reference frames with an enhancement PID, to provide base and enhancement transport bitstreams, respectively;

a decoder for extracting and decoding packets having the base PID to provide at least one of a base bitstream and an MP@ML decoded video bistream suitable for display on standard-definition television ("SDTV") systems, and where a base bitstream exists, extracting and decoding packets having the enhancement PID, to provide an enhancement bitstream; and

a combiner for combining the base and enhancement bitstreams to provide an MP@HL decoded video bitstream suitable for display on high-definition television ("HDTV") systems.

8. (Currently Amended) The apparatus of claim 7, ~~further comprising~~ wherein said decoder is an MP@ML decoder for extracting and decoding only packets having the base PID, to provide an MP@ML decoded video bistream.

9. (Currently Amended) The apparatus of claim 7, further comprising wherein said decoder is an MP@HL decoder for extracting and decoding, with an MP@ML decoder, packets having both the base PID and the enhancement PID, to provide the base and enhancement bitstreams, and for combining said bitstreams to provide an MP@HL decoded video bistream.

10. (Original) The apparatus of claim 7, wherein said reference frames comprise I and P frames and said non-reference frames comprise B frames.

11. (Currently Amended) The apparatus of claim 7, wherein the remapper remaps the temporal references of the reference frames An apparatus for encoding video signals, comprising:

a remapper for receiving a progressive video bitstream comprising reference frames and non-reference frames, each having an initial temporal reference in accordance with an initial frame sequence structure, and for remapping the temporal references of the reference frames while ignoring the non-reference frames so that the reference frames are all consecutively numbered; and

a transport packetizer for packetizing the reference frames with a base packet-identifier (PID) and the non-reference frames with an enhancement PID, to provide base and enhancement transport bitstreams, respectively.

12. (Original) The apparatus of claim 7, wherein each PID is a service channel identifier (SCID).

13. (New) The method of Claim 5 wherein only packets having the base PID are extracted and decoded to provide an MP@ML decoded video bistream.

14. (New) The method of Claim 5 wherein packets having the base PID and packets having the enhancement PID are extracted and decoded to provide the base and enhancement bitstreams, respectively, which are combined to provide an MP@HL decoded video bitstream.

15. (New) The method of Claim 5 wherein said reference frames comprise I and P frames and said non-reference frames comprise B frames.

16. (New) The method of Claim 5 wherein each PID is a service channel identifier (SCID).

17. (New) The apparatus of Claim 11 wherein said decoder is an MP@ML decoder for extracting and decoding only packets having the base PID to provide an MP@ML decoded video bistream.

18. (New) The apparatus of Claim 11 wherein said decoder is an MP@HL decoder for extracting and decoding packets having both the base PID and the enhancement PID to provide the base and enhancement bitstreams for combining to provide an MP@HL decoded video bistream.

19. (New) The apparatus of Claim 11 wherein said reference frames comprise I and P frames and said non-reference frames comprise B frames.

20. (New) The apparatus of Claim 11 wherein each PID is a service channel identifier (SCID).